

# SUMMARY OF 2006 PCB AMBIENT AIR SAMPLING RESULTS

## ON-PLANT CONSOLIDATION AREAS (OPCAs) GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS (all results are ug/m<sup>3</sup>)

Date	Northwest of OPCAs	Northwest of OPCAs colocated	West of OPCAs	West of OPCAs colocated	North of OPCAs	Southeast of OPCAs	Pittsfield Generating (PGE)	Background Sample Location - East of Building 9B	Data Validated?
01/10/06 - 01/11/06	0.0005	ND	0.0020	-----	0.0005	ND	0.0005	0.0003	No
02/07/06 - 02/08/06	ND	0.0002 J	ND	-----	ND	0.0003	0.0003	0.0002 J	No
03/07/06 - 03/08/06	ND	ND	ND	-----	ND	0.0006	0.0006	0.0008	No
04/06/06 - 04/07/06	0.0006	-----	0.0004	0.0005	0.0005	0.0009	0.0014	0.0005	No
04/18/06 - 04/19/06	0.0010	-----	0.0011	0.0009	0.0040	0.0019	0.0148	0.0031	No
04/25/06 - 04/26/06	0.0009	-----	0.0010	0.0009	0.0007	0.0013	0.0019	0.0007	No
04/27/06 - 04/28/06	0.0006	-----	0.0006	0.0007	0.0004	0.0009	0.0020	0.0005	No
05/02/06 - 05/03/06 <sup>1</sup>	NA	-----	NA	NA	NA	NA	NA	NA	NA
05/04/06 - 05/05/06	0.0019	-----	0.0037	0.0030	0.0017	0.0041	0.0069	0.0026	No
05/09/06 - 05/10/06	0.0003	-----	0.0004	0.0004	ND	0.0005	0.0004	0.0050	No
05/11/06 - 05/12/06	0.0014	-----	0.0024	0.0026	0.0010	0.0005	0.0006	0.0011	No
05/16/06 - 05/17/06	0.0004	-----	0.0007	0.0011	0.0006	0.0009	0.0014	0.0009	No
05/18/06 - 05/19/06	0.0018	-----	0.0015	0.0021	0.0017	0.0015	0.0017	0.0019	No
05/23/06 - 05/24/06	0.0003	-----	ND	0.0004	ND	0.0011	0.0017	0.0005	No
05/25/06 - 05/26/06	0.0032 <sup>2</sup>	-----	0.0018	0.0056	0.0041	0.0015	0.0044	0.0010	No
05/31/06 - 06/01/06	0.0069	-----	0.0056	0.0060	0.0069	0.0030	0.0062	0.0024	No
06/01/06 - 06/02/06	0.0031	-----	0.0028	0.0043	0.0034	0.0038	0.0087	0.0030	No
06/06/06 - 06/07/06	0.0006	-----	ND	ND	ND	ND	ND	0.0018	No
06/12/06 - 06/13/06	0.0017	-----	0.0046	0.0037	0.0041	0.0013	0.0388	0.0009	No
06/13/06 - 06/14/06	0.0010	-----	0.0010	0.0007	0.0009	0.0022	0.0061	0.0014	No
06/20/06 - 06/21/06	0.0027	-----	0.0020	0.0030	0.0031	0.0024	0.0047	0.0012	No
06/22/06 - 06/23/06	0.0028	-----	0.0029	0.0027	0.0036	0.0022	0.0032	0.0025	No
06/27/06 - 06/28/06	0.0036 J	-----	0.0021 J	0.0019 J	0.0026 J	0.0006 J	0.0018 J	0.0019 J	PDR <sup>3</sup>
06/29/06 - 06/30/06	0.0013 J	-----	0.0014 J	0.0010 J	0.0020 J	0.0006 J	0.0021 J	0.0036 J	PDR <sup>3</sup>
07/06/06 - 07/07/06	0.0008 J	-----	0.0003 J	0.0007 J	0.0006 J	0.0005 J	0.0029 J	0.0004 J	PDR <sup>3</sup>
07/11/06 - 07/12/06	0.0024 J	-----	0.0018 J	0.0018 J	0.0016 J	0.0011 J	0.0045 J	0.0017 J	PDR <sup>3</sup>
07/13/06 - 07/14/06	0.0008 J	-----	0.0014 J	0.0010 J	0.0007 J	0.0008 J	0.0023 J	0.0012 J	PDR <sup>3</sup>
07/18/06 - 07/19/06	0.0018 J	-----	0.0026 J	0.0021 J	0.0020 J	0.0033 J	0.0089 J	0.0022 J	PDR <sup>3</sup>
07/20/06 - 07/21/06	0.0033 J	-----	0.0024 J	0.0031 J	0.0010 J	0.0008 J	0.0025 J	0.0021 J	PDR <sup>3</sup>
07/24/06 - 07/25/06	0.0014	-----	0.0016	0.0016	0.0017	0.0014	0.0045	0.0014	PDR <sup>3</sup>
07/31/06 - 08/01/06	0.0017	-----	0.0016 J	0.0011 J	0.0005 J	0.0015	0.0070	0.0023	PDR <sup>3</sup>
08/03/06 - 08/04/06	0.0010	-----	0.0017	0.0023	0.0013	0.0030	0.0107	0.0026	PDR <sup>3</sup>
08/08/06 - 08/09/06	ND	-----	0.0005	0.0004 J	NA <sup>4</sup>	NA <sup>4</sup>	NA <sup>4</sup>	NA <sup>4</sup>	PDR <sup>3</sup>
08/10/06 - 08/11/06	0.0011 J	-----	0.0011 J	0.0010 J	0.0004 J	0.0006 J	0.0020 J	0.0005 J	PDR <sup>3</sup>
08/14/06 - 08/15/06	0.0024	-----	NA <sup>5</sup>	0.0019	0.0017	0.0008	0.0024	0.0016 J	PDR <sup>3</sup>
08/21/06 - 08/22/06	0.0016 J <sup>6,7</sup>	-----	0.0015 J <sup>6,7</sup>	0.0013 J <sup>6,7</sup>	0.0011 J <sup>6,7</sup>	0.0019 J <sup>6,7</sup>	0.0066 J <sup>6,7</sup>	0.0013 J <sup>6,7</sup>	PDR <sup>3</sup>
08/29/06 - 08/30/06	0.0008 <sup>6,7</sup>	-----	0.0013 <sup>6,7</sup>	0.0010 <sup>6,7</sup>	0.0006 <sup>6,7</sup>	0.0009 <sup>6,7</sup>	0.0012 <sup>6,7</sup>	0.0031 <sup>6,7</sup>	PDR <sup>3</sup>
08/31/06 - 09/01/06	0.0009 <sup>6,7</sup>	-----	0.0011 <sup>6,7</sup>	0.0013 <sup>6,7</sup>	0.0004 <sup>6</sup>	0.0014 <sup>6,7</sup>	0.0058 <sup>6,7</sup>	0.0012 <sup>6,7</sup>	PDR <sup>3</sup>
09/05/06 - 09/06/06	0.0027 <sup>6,7</sup>	-----	0.0025 <sup>6,7,8</sup>	0.0019 <sup>6,7</sup>	0.0029 <sup>6,7</sup>	0.0012 <sup>6,7</sup>	0.0037 <sup>6,7</sup>	0.0028 <sup>6,7</sup>	PDR <sup>3</sup>
09/07/06 - 09/08/06	0.0018 <sup>6,7</sup>	-----	0.0020 <sup>6,7</sup>	0.0018 <sup>6,7</sup>	0.0016 <sup>6,7</sup>	0.0021 <sup>6,7</sup>	0.0063 <sup>6,7</sup>	0.0015 <sup>6,7</sup>	PDR <sup>3</sup>
<b>Exceedances of Notification Level (0.05 ug/m<sup>3</sup>)</b>	None	None	None	None	None	None	None	None	

**SUMMARY OF 2006 PCB AMBIENT AIR SAMPLING RESULTS**

**ON-PLANT CONSOLIDATION AREAS (OPCAs)**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**  
(all results are ug/m<sup>3</sup>)

Date	Northwest of OPCAs	Northwest of OPCAs colocated	West of OPCAs	West of OPCAs colocated	North of OPCAs	Southeast of OPCAs	Pittsfield Generating (PGE)	Background Sample Location - East of Building 9B	Data Validated?
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(See Notes on Page 2 of 2)

**SUMMARY OF 2006 PCB AMBIENT AIR SAMPLING RESULTS**  
**ON-PLANT CONSOLIDATION AREAS (OPCAs)**  
**GENERAL ELECTRIC COMPANY - PITTSFIELD, MASSACHUSETTS**

**Notes:**

All sampling and analytical activities performed and/or coordinated by Berkshire Environmental Consultants, Inc.

NA - Not Available

ND - Non Detect (<0.0003)

J - Sample results were qualified as estimated.

<sup>1</sup> No data available due to laboratory error.

<sup>2</sup> Data provided for information purposes only. Sampling period did not meet QA/QC criteria of 24 hours  $\pm$  60 minutes due to an interruption in street power.

<sup>3</sup> Preliminary data review (PDR) was conducted based on the following data quality indicators associated with the tabulated data set above: sampling collection time, sampling calibration check, temperature receipt, associated blanks, laboratory control samples recoveries, and surrogate recoveries.

<sup>4</sup> During the extraction step one of the SGS lab extractionists reported ethyl ether fumes. The analyst doing the extraction confirmed that the Soxhlet had leaked and the extract volumes were low for a number of samples. The samples were analyzed but QA/QC review showed that the results were unacceptable. SGS' Lab Director and QA/QC group also confirmed that the low volume results were unacceptable. The lab only reported the validated results.

<sup>5</sup> Sample result for the W location from 08/14/06 to 08/15/06 not available due to equipment malfunction.

<sup>6</sup> Laboratory qualification (PE): Aroclor 1248 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1248 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

<sup>7</sup> Laboratory qualification (AF): Aroclor 1254 is being reported as the best Aroclor match. The sample exhibits an altered PCB pattern.

<sup>8</sup> Laboratory qualification (PG): Aroclor 1260 is being used to report an altered PCB pattern exhibited by the sample. Actual Aroclor 1260 is not present in the sample, but is reported to more accurately quantify PCB present in sample that has undergone environmental alteration.

**Qualification Notes:**

1. Samples collected from the NW and Background locations from 02/07/06 to 02/08/06 are estimated values detected between the MDL and the PQL.
2. Samples collected from 06/27/06 to 06/28/06 were qualified as estimated due to surrogate recovery and/or laboratory control sample recovery deviations.
3. Samples collected from 06/29/06 to 06/30/06 were qualified as estimated due to surrogate recovery and/or laboratory control sample recovery deviations.
4. Samples collected from 07/06/06 to 07/07/06 were qualified as estimated due to surrogate recovery deviation.
5. Samples collected from 07/11/06 to 07/12/06 were qualified as estimated due to the PUF receipt temperature recorded as 20.2°C. The temperature of the temperature blank was recorded as less than 4°C.
6. Samples collected from 07/13/06 to 07/14/06 were qualified as estimated due to the laboratory not recording the temperature of the PUF upon receipt and laboratory control sample recovery deviations. The temperature of the temperature blank was recorded as less than 4°C.
7. Samples collected from 07/18/06 to 07/19/06 were qualified as estimated due to the laboratory not recording the temperature of the PUF upon receipt.
8. Samples collected from 07/20/06 to 07/21/06 were qualified as estimated due to the PUF receipt temperature recorded as 21.4°C. The temperature of the temperature blank was recorded as less than 4°C.
9. Samples collected from the W, W colocated and N locations from 07/31/06 to 08/01/06 were qualified as estimated due to one surrogate recovery less than the lower control limit and less than 10%.
10. Sample location W from the 08/08/06 to 08/09/06 event was qualified as estimated due to low surrogate recoveries.
11. Samples collected from 08/10/06 to 08/11/06 were qualified as estimated due to low laboratory control sample and laboratory control sample duplicate (LCS/LCSD) recovery less than the lower control limit.
12. Sample collected from the Background location from 08/14/06 to 08/15/06 was qualified due to the sampling calibration check.
13. Samples collected from 08/21/06 to 08/22/06 were qualified as estimated due to the laboratory not recording the temperature of the PUF upon receipt.